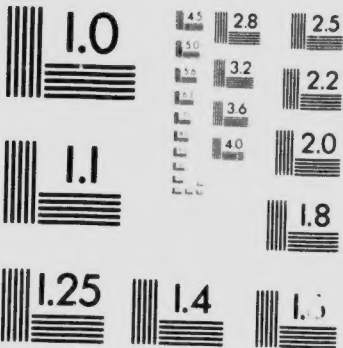


MICROCOPY RESOLUTION TEST CHART

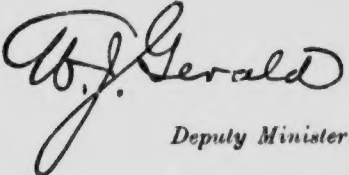
(ANSI and ISO TEST CHART No. 2)



APPLIED IMAGE Inc

1851 East Main Street
Rochester, New York 14609, USA
(716) 482-0300 - Phone
(716) 288-5989 - Fax

O. H. M. S.


Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
BULLETIN No. 131
BUTTER, 1906

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN NO. 131

BUTTER, 1906

OTTAWA, January 31, 1907.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—In October of last year certain samples of butter were transmitted to you by Mr. J. A. Ruddick, Dairy Commissioner, as having been obtained in the city of Quebec and suspected to be spurious. On examination they proved to be largely adulterated with foreign fat and thereupon the collection of a larger number of samples was authorized by you. These were obtained in the month of November and are described, with the results of their examination, in the tabulated statement attached to this report. The following is a summary of the results obtained :—

| Inspection District. | Genuine. | Doubtful. | Adulterated. | Total. |
|---------------------------|----------|-----------|--------------|--------|
| Nova Scotia..... | 6 | 0 | 0 | 6 |
| Prince Edward Island..... | 2 | 0 | 1 | 3 |
| New Brunswick..... | 6 | 0 | 0 | 6 |
| Quebec..... | 15 | 0 | 1 | 16 |
| St. Hyacinthe..... | 7 | 0 | 1 | 8 |
| Montreal..... | 6 | 2 | 4 | 12 |
| Ottawa..... | 7 | 1 | 0 | 8 |
| Kingston..... | 8 | 0 | 0 | 8 |
| Toronto..... | 10 | 0 | 0 | 10 |
| London..... | 8 | 0 | 0 | 8 |
| Manitoba..... | 7 | 1 | 0 | 8 |
| British Columbia..... | 8 | 0 | 0 | 8 |
| | 90 | 4 | 7 | 101 |

In the foregoing I have classed a sample containing over 16 per cent water and one with less than 80 per cent butter fat as doubtful although pronounced genuine by the district analyst. The adulterated samples comprise five which contain excessive quantities of water and two which consist very largely of foreign fat. From the latter fact it would appear that oleomargarine in small quantities is either being imported into Canada or is being manufactured here. In order that the public and the trade may be warned of this I beg to recommend the publication of this report.

I have the honour to be, sir,
Your obedient servant,

THOMAS MACFARLANE,
Chief Analyst.

Description of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|--|-------------------|----------------|--|-----------|--------|--|
| | | | | Quantity. | Value. | |
| <i>District of Nova Scotia—R. J. Waugh, Inspector.</i> | | | | | | |
| Nov. 6 | Butter..... | 27208 | Hutchinson & Power, Halifax, N.S. | 1½ lbs. | 33 | Not known..... |
| " 6 | "..... | 27209 | Smith & Proctor, Halifax, N.S. | 1½ " | 28 | "..... |
| " 6 | "..... | 27210 | P. T. Shea, Halifax, N.S. | 1½ " | 35 | R. Starratt, Bass River, N.S. |
| " 6 | "..... | 27211 | O'Neil & Mulcahey, 22 Barrington St., Halifax, N.S. | 1½ " | 37 | Acadia Dairy Co., Wolfville, N.S. |
| " 8 | "..... | 27216 | Shand Bros., Windsor, N.S. | 1½ " | 31 | John Baker, Windsor, N.S. |
| " 8 | "..... | 27217 | Murphy & DeMont, Windsor, N.S. | 1½ " | 32 | Not known..... |
| <i>District of Prince Edward Island—T. Moore, Inspector.</i> | | | | | | |
| Nov. 5 | Butter..... | 28328 | R. T. Holman, Summerside. | 1½ lbs. | 35 | Kenford Wait, Wilmot, P.E.I. |
| " 6 | "..... | 28332 | A. Gates & Co., Charlottetown. | 1½ " | 42 | Dunstaffnage Dairy Co., Dunstaffnage, P.E.I. |
| " 6 | "..... | 28333 | Stewart & Son, Charlottetown. | 1½ " | 35 | M. McEachern, Lot 48, P.E.I. |
| <i>District of New Brunswick—J. C. Ferguson, Inspector.</i> | | | | | | |
| Nov. 5 | Butter, Creamery | 24278 | W. H. Bell, 92 King St., St. John, N.B. | 1½ lbs. | 48 | Vendor..... |
| " 6 | " Dairy..... | 24279 | P. Nae & Son, Ltd., 214 Main St., St. John, N.B., north end. | 1½ " | 45 | W. T. Coburn, Harvey Station, York Co., N.B. |
| " 6 | " Creamery... | 24280 | Maritime Dairy Co., Ltd., 159 Main St., St. John, N.B., north end. | 1½ " | 40 | Sussex Creamery, Sussex, Kings Co., N.B. |
| " 7 | "..... | 24281 | Sussex Milk and Cream Co., Ltd., 158 Pond St., St. John, N.B. | 1½ " | 42 | Vendors..... |
| " 7 | " Dairy..... | 24282 | Mearity & Kelly, Marsh Bridge, St. John, N.B. | 1½ " | 42 | Slocum & Ferris, City Market, St. John, N.B. |

Examined by the District Analysts.

| Inspector's Report. | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | | | READINGS OF BUTY- ROMETER AT 25° C. BY A. MCGILL. | | DISTRICT ANALYSTS. | |
|---|--|-------|-------|-------|------------------------|---|---|----------|--|------------|
| | Moisture. | Fat. | Salt. | Curd. | Reichert Meissl No. | Specific gra- vity of fat at 100 compar- ed with water at 100 C. | Reading. | Opinion. | Remarks. | Name. |
| | p.c. | p.c. | p.c. | p.c. | | p.c. | | | | |
| Said to be manufac- tured in Manito- ba. Wholesaler. | 13.20 | 81.28 | 2.90 | 2.52 | 27.19 | | 52.2 | Genuine. | Genuine. | M. Bowman. |
| Said to be Ontario butter. Sold as cooking butter; wholesale. | 7.75 | 85.56 | 2.93 | 1.74 | 26.58 | | 52.2 | " | " | " |
| Sold as creamery butter; put up in 2 lb. blocks; wholesale and re- tail. | 12.64 | 80.03 | 5.29 | 2.03 | 27.26 | | 51.0 | " | " | " |
| Sample sold as creamery butter; retail dealer. | 13.43 | 81.76 | 2.61 | 2.19 | 26.52 | | 51.0 | " | " | " |
| Sold as dairy but- ter. | 11.85 | 82.51 | 4.42 | 1.21 | 25.16 | | 51.1 | " | " | " |
| Purchased by ven- dors from H. D. Woodworth, Kingston, N.S. | 11.65 | 81.55 | 5.81 | 0.99 | 27.59 | | 50.9 | " | " | " |
| Dairy butter in prints and sold to vendor as pure butter. | 11.87 | 84.47 | 2.18 | 1.47 | 27.34 | | 51.0 | Genuine. | Genuine. | M. Bowman. |
| This sample of but- ter is made and put up by the Dunstaffnage Creamery Co. | 11.78 | 83.39 | 4.19 | 0.63 | 26.57 | | 51.2 | " | " | " |
| Dairy tub butter; bought from Mc- Eachern and re- tailed by Stewart & Son. | 13.54 | 78.46 | 5.97 | 2.02 | 30.50 | | 51.5 | " | Adulter'd; contain'g less than 50 per cent butter. | " |
| From 2 lb. bar. Half lb. creases. | 11.65 | 82.89 | 3.79 | 1.66 | 25.40 | | 51.1 | Genuine. | " | M. Bowman. |
| From 1 lb. bars. | 12.24 | 81.92 | 3.87 | 1.95 | 27.84 | | 52.2 | " | " | " |
| From 2 lb. bar. | 11.24 | 82.95 | 3.83 | 1.97 | 24.40 | | 52.2 | " | " | " |
| From 2 lb. bar. | 8.27 | 86.72 | 2.93 | 2.07 | 26.52 | | 53.0 | " | " | " |
| Dairy butter; from 32 lb. tub on re- tail in store; said to be New Bruns- wick product. | 8.21 | 81.08 | 8.92 | 1.78 | 26.47 | | 52.0 | " | " | " |

DESCRIPTION of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | Nos. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|---------------------|--------------------|-----------------|--|-----------|--------|---|
| | | | | Quantity. | Value. | |
| 1906. | | | <i>District of New Brunswick—Con.</i> | | Cts. | |
| Nov. 7 | Butter, Dairy..... | 24283 | J. D. McAvity, 39 Brussels St., St. John, N.B. | 1½ lbs. | 42 | Orland S. Dykeman, 1-5 Camden St., St. John, N.B., north end. |
| | | | <i>District of Québec—E. Beland, Inspector.</i> | | | |
| Nov. 19 | Butter..... | 26064 | J. B. Renaud et Cie, 126 St. Paul. | 1 lb. | 25 | Dairy St. Raymond, Port-neuf. |
| " 19 | " | 26065 | " " " " " | 1 " | 23 | Alphonse Nicol, St. Simon. |
| " 19 | " | 26066 | " " " " " | 1 " | 23 | Louis Belanger, St. Jean, Port Joli. |
| " 20 | " | 26067 | " " " " " | 1 " | 19 | Emond & Côte, Québec..... |
| " 7 | " | 26028 | Chas. Maranda, Finlay Market, Que. | 1 " | 20 | Unknown..... |
| " 7 | " | 26029 | Edmond Sylvain, Finlay Market, Que. | 1 " | 22 | " |
| " 7 | " | 26030 | David Lacombe, Hall St. Pierre, Que. | 1 " | 24 | Emond & Côte, Québec..... |
| " 7 | " | 26031 | Arthur Lemieux, Hall St. Pierre, Que. | 1 " | 22 | Unknown..... |
| " 7 | " | 26032 | Edouard Giguere, Hall St. Pierre, Que. | 1 " | 24 | Emond & Côte, Québec..... |
| " 8 | " | 26033 | R. Ruthman & Son, Montcalm Market, Que. | 1 " | 25 | " " |
| " 8 | " | 26034 | Thos. Martin, Montcalm Market, Que. | 1 " | 25 | J. B. Renaud & Cie..... |
| " 8 | " | 26035 | François Boutet, Montcalm Market, Que. | 1 " | 26 | St. Amelme Beurrerie, Que. |
| " 8 | " | 26036 | Boutet & Lavoie, Berthelot Market, Que. | 1 " | 24 | Emond & Côte, Québec..... |
| " 8 | " | 26037 | F. X. Blouin, Berthelot Market, Que. | 1 " | 24 | Rioux & Cie., Québec..... |
| " 8 | " | 26038 | " " " " " | 1 " | 25 | J. B. Renaud & Cie..... |
| " 9 | " | 26039 | Jean Drolet, Hall Champlain. | 1 " | 25 | Kelly, St. Agathe..... |
| | | | <i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i> | | | |
| Nov. 7 | Butter, Pastry .. | 567 | Gervais & Dionne, St. Jean, Que. | 1½ lbs. | 38 | J. Langlois & Cie., Montreal |
| " 8 | " " | 568 | G. A. Fruax, Farnham, Que. | 2 " | 40 | J. Lefebvre, Bury, Que..... |
| " 9 | " Cooking | 569 | Couture & Moore, Sherbrooke, Que. | 30 oz. | 45 | Jos. Demers, Shetford .. |
| " 13 | " " | 570 | A. Magnan, Sorel, Que. | 1½ lbs. | 33 | W. Champagne, 191-195 Rue St. Paul, Montreal. |

Examined by the District Analysts—Continued.

| Inspector's Report. | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | | | READINGS OF BUTY- ROMETER AT 20° C. BY A. MCGILL. | | DISTRICT ANALYSTS. | |
|--|--|-------|-------|-------|------------------------|--|---|--------------------------------|--|------------------------|
| | Moisture. | Fat. | Salt. | Curd. | Reichert Meisel No. | Specific gra- vity of fat at 100 compar- ed with water at 100° C. | Reading | Opinion. | Remarks. | Name. |
| | p. c. | p. c. | p. c. | p. c. | | p. c. | | | | |
| From 30 lb. box on retail in store; furnisher to Mr. McAvity, Or- land S. Dyke- man said to be Carlton Co., N.B., butter. | 10.27 | 80.82 | 1.2 | 81.1 | 25.28 | 0.8994 | 52.9 | Genuine.. | Genuine.. | M. Bowman. |
| Taken from 50 lbs. | 12.60 | 82.61 | 2.8 | 81.1 | 28.8 | 0.8994 | 51.9 | Genuine.. | Genuine.. | Dr. J. T. Don- ald. |
| " 50 " | 9.80 | 83.39 | 4.1 | 90.7 | 35.0 | 0.8966 | 52.2 | " .. | " .. | " |
| " 50 " | 14.50 | 76.48 | 5.5 | 81.7 | 31.6 | 0.9024 | 50.4 | " .. | " .. | " |
| " 35 " | 11.04 | 83.42 | 2.0 | 81.3 | 3.0 | 0.8948 | 57.5 | Adultera- ed. | Adultera- ed; contain- ing little if any but- ter fat. | " |
| " 45 " | 10.72 | 80.65 | 5.7 | 81.5 | 29.1 | 0.9026 | 52.5 | Genuine.. | Genuine.. | " |
| " 22 " | 7.53 | 86.78 | 2.5 | 81.7 | 33.3 | 0.9039 | 52.6 | " .. | " .. | " |
| " 45 " | 6.76 | 88.30 | 1.6 | 82.4 | 2.90 | 0.9063 | 52.5 | " .. | " .. | " |
| " 40 " | 13.79 | 80.33 | 2.3 | 82.2 | 35.2 | 0.9049 | 51.6 | " .. | " .. | " |
| " 45 " | 12.27 | 83.92 | 1.0 | 81.3 | 31.5 | 0.9025 | 51.0 | Gen.; s'ple very mouldy. | " .. | " |
| " 40 " | 12.79 | 81.99 | 2.2 | 81.5 | 32.0 | 0.9041 | 51.6 | Genuine.. | " .. | " |
| " 45 " | 10.01 | 84.80 | 3.0 | 81.0 | 29.3 | 0.9041 | 50.8 | " .. | " .. | " |
| " 40 " | 11.24 | 84.10 | 2.2 | 81.5 | 27.8 | 0.9032 | 52.0 | " .. | " .. | " |
| " 40 " | 13.81 | 77.09 | 5.5 | 81.0 | 32.0 | 0.9050 | 50.9 | " .. | " .. | " |
| " 45 " | 14.44 | 79.13 | 1.7 | 80.2 | 24.0 | 0.9023 | 51.3 | " .. | " .. | " |
| " 50 " | 7.32 | 85.11 | 5.3 | 81.0 | 29.4 | 0.9043 | 51.2 | " .. | " .. | " |
| " 50 " | 11.39 | 76.80 | 8.6 | 81.3 | 27.0 | 0.9165 | 53.0 | " .. | " .. | " |
| Box marked 2003 with blue pencil. | 10.97 | 81.69 | 3.2 | 81.5 | 31.6 | 0.9020 | 50.2 | Genuine.. | Genuine.. | Dr. J. T. Don- ald. |
| No special mark on the box. | 13.01 | 80.80 | 2.9 | 82.3 | 32.6 | 0.9063 | 52.5 | " .. | " .. | " |
| Taken out of a 25 lb. box. | 9.59 | 83.89 | 3.6 | 81.7 | 27.2 | 0.9004 | 51.3 | " .. | " .. | " |
| Taken out of a tub of about 70 lbs. | 9.92 | 82.96 | 4.2 | 81.9 | 2.1 | 0.9003 | 57.8 | Adultera- ed. | Adultera- ed, contain- ing little if any but- ter fat. | " |

DESCRIPTION of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|---------------------|-------------------|----------------|--|-----------|--------|--|
| | | | | Quantity. | Value. | |
| 1906. | | | <i>District of St. Hyacinthe—Con.</i> | | Cts. | |
| Nov. 17 | Butter, Cooking | 572 | Thos. Hebert, St. Hyacinthe. | 1½ lbs. | 33 | A. Jeannotte, St. Hyacinthe. |
| " 17 | " Table | 573 | E. Benoit, St. Hyacinthe | 1 " | 25 | Beauregard & Cie., Lapresentation |
| " 17 | " " | 574 | U. Jeannotte " | 1 " | 26 | N. Lajeunesse, St. Francois. |
| " 17 | " " | 592 | Ed. Vieux, St. André, St. Thomas d'Aquint. | 2 " | 25 | Vendor |
| | | | <i>District of Montreal—J. J. Costigan, Inspector.</i> | | | |
| Nov. 12 | " Creamery | 31601 | C. Spector & Co., 18½ lbs. Ontario E., Montreal. | 1½ lbs. | 41 | Gunn, Langlois & Co. |
| " 13 | " " | 31602 | A. E. Savageau, 667 St. Catherine E., Montreal | 1½ " | 34 | Manitoba Dairy |
| " 13 | " Creamery | 31603 | " " | 1½ " | 39 | Fortier & Monnettes |
| " 13 | " " | 31604 | A. Rivet, 456 St. Catherine E., Montreal. | 1½ " | 42 | Z. Limoges, Montreal. |
| " 16 | " " | 31605 | J. A. Marceau, Bonsecour Market, Montreal. | 2 " | 50 | M. Desjardins, Montreal. |
| " 16 | " Dairy | 31606 | B. Lavoie, Bonsecour Market, Montreal. | 1½ " | 35 | Weston, Ont. |
| " 16 | " Creamery | 31607 | D. Desautels, St. James Market, Montreal. | 1½ " | 41 | Z. Limoges, Montreal. |
| " 16 | " Cooking | 31608 | " " | 1½ " | 30 | Not known. |
| " 26 | " " | 31609 | M. Lavut, 113 St. Maurice, Montreal. | 1½ " | 42 | Standard Dairy Co., Montreal |
| " 26 | " " | 31610 | Davies, Limited, retail branch, Chabot St., Montreal. | 1½ " | 30 | Not known. |
| " 26 | " " | 31611 | M. Desjardins et fils, 206 St. De Montigny East, Montreal. | 2 " | 46 | M. Desjardins, St. Martin St. |
| " 26 | " " | 31612 | " " | 1½ " | 38 | Not known. |
| | | | <i>District of Ottawa—A. E. Sanderson, Inspector.</i> | | | |
| Nov. 13 | Butter | 29384 | G. Stewart, 237 Bank St., Ottawa. | 1½ lbs. | 45 | Rising Sun Creamery. |
| " 13 | " " | 29385 | P. D. Herbert, 228 Bank St., Ottawa. | 1½ " | 50 | McCullough, Quebec |
| " 14 | " " | 29389 | Geo. Thomas, 63 George St., Ottawa. | 1½ " | 42 | Mrs. Cassidy, Farleton. |
| " 14 | " " | 29390 | " " | 1½ " | 37 | " " |
| " 15 | " " | 29395 | A. Boivin, 80 Queen St. W., Ottawa. | 1½ " | 40 | Ottawa Cold Storage. |

Examined by the District Analysts—Continued.

| Inspector's Report. | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | Reichert Meissl No. | Specific gra- vity of fat at 100 compar- ed with water at 100 C. | READINGS OF BUTY- RO : REFRACTO- METER AT 25 C. BY DISTRICT ANALYSTS. A. MCGILL. | | | |
|---|--|-------|-------|-------|---------------------------|---|---|----------------------|--|------------------------|
| | Moisture. | Fat. | Salt. | Curd. | | | Reading. | Opinion. | Remarks. | Name. |
| | p.c. | p.c. | p.c. | p.c. | | p.c. | | | | |
| Taken out of a tub of about 30 lbs. | 9.90 | 83.83 | 2.66 | 2.09 | 32.1 | 0.9016 | 50.0 | Genuine. | Genuine. | Dr. J. T. Don- ald. |
| | 14.83 | 76.15 | 6.66 | 0.99 | 28.2 | 0.9027 | 51.2 | " | " | " |
| From about a 20 lb. piece. | 13.65 | 82.61 | 0.94 | 1.56 | 23.8 | 0.9057 | 51.2 | " | " | " |
| Sold in $\frac{1}{2}$ lb. cakes. | 12.00 | 80.27 | 4.19 | 1.94 | 32.8 | 0.8994 | 51.5 | " | " | " |
| Retail price, 27 cts. per lb. | 15.15 | 78.84 | 3.57 | 1.41 | 28.6 | 0.8998 | 52.0 | Genuine. | Genuine. | Dr. J. T. Don- ald. |
| Retail price, 24 cts. per lb. | 11.27 | 82.25 | 1.92 | 2.73 | 32.2 | 0.8995 | 51.5 | " | " | " |
| Retail price, 26 cts. per lb. | 14.20 | 79.50 | 3.04 | 2.06 | 31.4 | 0.9007 | 51.0 | " | " | " |
| Retail price, 24 cts. per lb. | 10.39 | 84.38 | 1.69 | 1.90 | 27.5 | 0.9009 | 52.4 | " | " | " |
| Sold as fresh cream- ery; put up in 1 lb. rolls; retailed at 25 cts. per roll. | 29.75 | 68.02 | 0.17 | 1.21 | 24.3 | 0.8987 | 51.4 | " | Adultera- ted with water | " |
| Sold as dairy but- ter; retail price, 24 cts. per lb. | 11.64 | 77.99 | 6.54 | 2.26 | 27.3 | 0.9010 | 52.0 | " | Genuine. | " |
| Sold as creamery at 27 cts. per lb. | 16.44 | 79.39 | 0.96 | 2.09 | 33.8 | 0.8915 | 52.4 | " | Genuine but rather high in water. | " |
| Sold as cooking but- ter at 20 cts. per pound. | 9.12 | 84.50 | 3.64 | 1.51 | 28.0 | 0.8991 | 50.9 | " | Genuine. | " |
| Retailed at 23 cts. per lb. in 2 lb. blocks. | 30.15 | 67.53 | 0.32 | 1.39 | 28.8 | 0.8994 | 51.9 | " | Adultera- ted with water. | " |
| Sold as dairy | 11.81 | 72.80 | 12.11 | 1.70 | 31.8 | 0.9034 | 50.5 | " | Genuine but too much salt. | " |
| Retail price, 23 cts. per lb. in 2 lb. rolls; dairy. | 23.47 | 71.55 | 2.94 | 1.19 | 29.6 | 0.9073 | 50.6 | " | Adultera- ted with water. | " |
| Retail price, 25 cts. per lb. Sold as creamery; put up in 1 lb. blocks. | 22.94 | 72.65 | 2.74 | 1.06 | 27.9 | 0.9079 | 52.0 | " | " | " |
| Creamery butter | 13.81 | 83.26 | 1.70 | 1.23 | 24.5 | | 51.8 | Genuine. | Genuine. | Dr. F. X. Val- ade. |
| | 13.27 | 82.36 | 2.88 | 1.49 | 23.9 | | 52.0 | " | " | " |
| Farmer's butter | 11.97 | 82.39 | 3.93 | 1.71 | 25.0 | | 53.8 | Probably genuine. | " | " |
| " | 14.57 | 78.78 | 4.55 | 2.10 | 25.7 | | 52.2 | Genuine. | Deficient in fat. | " |
| | 9.63 | 81.45 | 7.23 | 1.69 | 31.8 | | 51.3 | " | " | " |

DESCRIPTION of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|---------------------|-------------------|----------------|--|-----------|--------|--|
| | | | | Quantity. | Value. | |
| 1906. | | | <i>District of Ottawa—Con.</i> | | Cts. | |
| Nov. 15 | Butter | 29396 | A. Boivin, 80 Queen St., W., Ottawa. | 1 lb. | 28 | McCullough, Quebec. |
| " 15 | " | 29399 | J. Currell, 86 Queen St., W., Ottawa. | 1 " | 27 | Mrs. Baird, Fitzroy. |
| " 19 | " | 32304 | R. E. Powell, 285 Wellington St., Ottawa. | 1½ " | 45 | Not known. |
| | | | <i>District of Kingston— J. Hogan, Inspector.</i> | | | |
| Nov. 5 | Butter | 31001 | Davies Co., Princess St., Kingston. | 1 lb. | 26 | Davies Co., Dairy, Toronto. |
| " 5 | " | 31002 | " " " | 1 " | 35 | Maple Leaf Standard Dairy. |
| " 5 | " | 31003 | J. Thomas Polley, Brock St., Kingston. | 1 " | 30 | Kingston Milk Depot. |
| " 5 | " | 31004 | J. Cullen, Princess St., Kingston. | 1 " | 30 | Maple Leaf Standard Dairy. |
| " 5 | " | 31006 | Charles Sanders, Princess St., Kingston. | 1 " | 30 | " " " |
| " 5 | " | 31008 | G. H. Williams, Princess St., Kingston. | 1 " | 30 | J. H. Peel, Victoria Road. |
| " 5 | " | 31009 | Anderson Bros., Princess St., Kingston. | 1 " | 30 | Maple Leaf Standard Dairy. |
| " 6 | " | 31011 | Joseph Lemmon, Montreal St., Kingston. | 1 " | 30 | Not known. |
| | | | <i>District of Toronto T. Kidd, Acting Inspector</i> | | | |
| Nov. 14 | Butter | 30222 | J. A. McCrea & Son, Guelph. | 1 lb. | 25 | Vendors. |
| " 15 | " | 30223 | R. Higgins & Son, 802 Yonge St., Toronto. | 1½ " | 48 | White & Co., Front St., Toronto. |
| " 15 | " | 30224 | W. M. Davies & Co., Yonge St., Toronto. | 1½ " | 48 | Jacob Steadaland, Elnira, Ont. |
| " 16 | " | 30227 | Park, Thompson & Co., Toronto. | 1½ " | 38 | Vendors. |
| " 16 | " | 30228 | A. Provan, King Street, Toronto. | 1½ " | 45 | Mrs. C. McKenna, Lloydtown County York. |
| " 19 | " | 30231 | Kidd & Co., Athlone, Ont. | 1½ " | 35 | Mrs. Harry Trump, Adjala Township, Co. Simcoe. |
| " 19 | " | 30235 | George E. Reynolds, Beeton, Ont. | 1½ " | 40 | Mrs. William Strongman, Tecumseh Township. |
| " 20 | " | 30237 | J. M. Courtney, Tottenham, Ont. | 1½ " | 40 | Miss Delemere, Colgan, Ont. |
| " 21 | " | 30239 | Swan Bros., 162 King St., Toronto. | 1½ " | 42 | James Young, Earin Township, Co. Wellington. |
| " 21 | " | 30240 | Gunn Co., Ltd., 48 Front St., Toronto. | 1½ " | 30 | Not known. |

Examined by the District Analysts—Continued.

| Inspector's Report. | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | | | READINGS OF BUTY- RO: REFRACTO- METER AT 25° C. BY A. MCGILL. | | | DISTRICT ANALYSTS. | |
|---------------------|--|-------|-------|-------|------------------------|--|--|----------|----------|--------------------|--|
| | Moisture. | Fat. | Salt. | Curd. | Reichert Meissl No. | Specific gra- vity of fat at 100 compar- ed with water at 100° C. | Reading. | Opinion. | Remarks. | Name. | |
| | p.c. | p.c. | p.c. | p.c. | | p.c. | ° | | | | |
| ..... | 11.07 | 85.63 | 1.90 | 1.40 | 26.3 | ..... | 53.0 | Genuine. | Genuine. | Dr. F. X. Va- | |
| Taken from pail; | 13.21 | 83.38 | 2.20 | 1.21 | 23.0 | ..... | 51.4 | " | " | lade. | |
| farmer's butter. | 14.94 | 81.09 | 2.67 | 1.30 | 25.3 | ..... | 51.4 | " | " | " | |
| ..... | 8.11 | 85.92 | 4.14 | 1.83 | 31.8 | ..... | 51.2 | Genuine. | Genuine. | Dr. F. X. Va- | |
| ..... | 14.48 | 81.74 | 1.68 | 2.10 | 25.3 | ..... | 51.5 | " | " | lade. | |
| ..... | 11.72 | 84.65 | 2.05 | 1.58 | 24.9 | ..... | 52.1 | " | " | " | |
| ..... | 11.82 | 85.91 | 1.06 | 1.21 | 25.3 | ..... | 52.1 | " | " | " | |
| ..... | 12.32 | 84.42 | 1.71 | 1.55 | 27.5 | ..... | 52.0 | " | " | " | |
| ..... | 11.09 | 85.45 | 2.32 | 1.14 | 26.8 | ..... | 52.4 | " | " | " | |
| ..... | 13.71 | 83.49 | 1.55 | 1.25 | 24.5 | ..... | 52.2 | " | " | " | |
| Royal brand | 12.31 | 85.51 | 1.32 | 0.86 | 24.7 | ..... | 52.0 | " | " | " | |
| Vendor purchased | 10.58 | 86.34 | 1.93 | 1.07 | 27.10 | 0.8992 | 51.2 | Genuine. | Genuine. | Dr. W. H. Ellis | |
| from a farmer. | 9.18 | 86.41 | 2.96 | 1.19 | 31.77 | 0.9027 | 51.8 | " | " | " | |
| ..... | 12.66 | 83.88 | 2.37 | 0.89 | 29.04 | 0.9032 | 52.3 | " | " | " | |
| ..... | 3.10 | 93.83 | 1.03 | 1.73 | 30.71 | 0.8977 | 52.2 | " | " | " | |
| Branded dairy. | 5.52 | 88.03 | 5.49 | 0.86 | 24.78 | 0.8989 | 52.2 | " | " | " | |
| ..... | 10.88 | 81.22 | 6.25 | 1.04 | 24.57 | 0.9017 | 53.0 | " | " | " | |
| ..... | 8.04 | 85.60 | 4.02 | 1.71 | 30.80 | 0.9011 | 51.1 | " | " | " | |
| ..... | 10.06 | 85.90 | 2.56 | 1.05 | 24.40 | 0.8986 | 53.2 | " | " | " | |
| ..... | 10.73 | 82.96 | 4.55 | 1.38 | 28.22 | 0.9008 | 51.5 | " | " | " | |
| Vendor handles | 3.63 | 94.04 | 1.04 | 1.07 | 34.03 | 0.9022 | 53.0 | " | " | " | |
| large quantities | | | | | | | | | | | |
| of butter in a | | | | | | | | | | | |
| wholesale way; | | | | | | | | | | | |
| shipped from | | | | | | | | | | | |
| Baden. | | | | | | | | | | | |

DESCRIPTION of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|---------------------|-------------------|----------------|--|-----------|--------|--|
| | | | | Quantity. | Value. | |
| 1906. | | | <i>District of London— T. Kidd, Inspector.</i> | | Cts. | |
| Nov. 2 | Butter. | 30195 | William Cherney, Wind- sor, Ont. | 1 lb. | 28 | J. S. Tester, Bothwell, Ont.. |
| " 3 | " | 30201 | John McCorbey, Chat- ham, Ont. | 1 " | 23 | Mr. Cotman, Chatham Township. |
| " 7 | " | 30211 | Williams & Purcill, Sea- forth, Ont. | 1 1/2 " | 35 | Not known. |
| " 8 | " | 30216 | John Beattie, Seaforth, Ont. | 1 " | 23 | Mrs. Bell, McKillop Town- ship, Co. Huron. |
| " 9 | " | 30217 | S. M. Edwards, butter merchant, Mitchell, Ont. | 1 1/2 " | 30 | Mrs. Seyburn, Fullerton Township, Perth Co. |
| " 10 | " | 30218 | William Pickard, Sea- forth, Ont. | 1 1/2 " | 30 | Not known. |
| " 8 | " | 30212 | O. C. Whitely, Goderich, Ont. | 1 " | 24 | M. Ford, general merchant, Mitchell, Ont. |
| " 8 | " | 30214 | Henry J. Moorish, Gode- rich, Ont. | 1 " | 25 | M. Watson, Kincardine, Ont. |
| | | | <i>District of Manitoba— W. M. Conklin, Inspector.</i> | | | |
| Nov. 27 | Butter. | 25925 | W. J. Kennedy, Winni- peg. | 1 lb. | 30 | Not known. |
| " 27 | " | 25926 | J. A. Parks, Winnipeg. | 1 " | 35 | The Dominion Produce Co., Winnipeg. |
| " 27 | " | 25927 | The National Creamery Co., Winnipeg. | 1 " | .. | Vendors. |
| " 28 | " | 25928 | John Donnelly & Son, Winnipeg. | 1 " | 30 | Not known. |
| " 28 | " | 25929 | H. Sylvester, Winnipeg. | 1 " | 35 | " |
| " 28 | " | 25930 | A. Jackson, Winnipeg. | 1 " | 30 | Imperial Produce Co., Win- nipeg. |
| " 28 | " | 25931 | J. R. Cote, St. Boniface. | 1 " | 30 | Not known. |
| " 28 | " | 25932 | T. Pelletier, St. Boniface. | 1 " | 30 | " |
| | | | <i>District of Calgary— W. Fletcher, Inspector.</i> | | | |
| | | | No collections made in the District of Calgary. | | | |

Examined by the District Analysts—Continued.

| Inspector's Report. | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | | | READINGS OF BUTY- RO : REFRACTO- METER AT 25° C. BY A. MCGILL. | | DISTRICT ANALYSTS. | |
|---------------------|--|-------|-------|-------|------------------------|---|---|-----------|---|-----------------|
| | Moisture. | Fat. | Salt. | Curd. | Reichert Meissl No. | Specific gra- vity of fat at 100° compar- ed with water at 100° C. | Reading. | Opinion. | Remarks. | Name. |
| | p.c. | p.c. | p.c. | p.c. | | p.c. | | | | |
| ..... | 9.17 | 94.1 | 34.3 | 70 | 23.57 | 0.9049 | 53.9 | Probably | Genuine.. | Dr. W. H. Ellis |
| Farmer's butter... | 6.26 | 89.98 | 1.88 | 1.40 | 24.31 | 0.9010 | 52.0 | Genuine.. | " .. | " |
| " | 12.05 | 79.56 | 5.53 | 1.68 | 27.61 | 0.9011 | 51.6 | " .. | " .. | " |
| ..... | 29.86 | 55.5 | 68.1 | 21 | 28.42 | 0.9005 | 52.0 | " .. | " .. | " |
| ..... | 5.98 | 90.64 | 0.05 | 1.27 | 24.97 | 0.8980 | 52.2 | " .. | " .. | " |
| Farmer's butter... | 10.08 | 81.00 | 6.67 | 1.68 | 25.10 | 0.9060 | 52.0 | " .. | " .. | " |
| ..... | 5.18 | 93.46 | 0.57 | 0.07 | 29.85 | 0.9004 | 52.0 | " .. | " .. | " |
| ..... | 7.87 | 88.46 | 2.98 | 0.50 | 29.97 | 0.9050 | 52.0 | " .. | " .. | " |
| Farmer's | 8.04 | 85.95 | 1.43 | 1.29 | 26.78 | 0.8976 | 52.1 | Genuine.. | Genuine.. | Dr. W. H. Ellis |
| ..... | 7.78 | 89.26 | 1.59 | 1.72 | 26.69 | 0.8982 | 51.9 | " .. | " .. | " |
| ..... | 9.04 | 85.83 | 3.56 | 1.61 | 27.50 | 0.9006 | 51.5 | " .. | " .. | " |
| ..... | 5.98 | 91.30 | 1.25 | 1.23 | 23.93 | 0.8974 | 51.9 | " .. | " .. | " |
| ..... | 4.13 | 93.58 | 0.93 | 1.26 | 30.70 | 0.8999 | 51.5 | " .. | " .. | " |
| ..... | 9.33 | 88.10 | 1.34 | 0.99 | 31.01 | 0.9011 | 52.0 | " .. | " .. | " |
| Farmer's | 6.66 | 89.67 | 2.19 | 1.13 | 25.43 | 0.8974 | 51.0 | " .. | " .. | " |
| ..... | 5.27 | 91.56 | 1.61 | 1.23 | 20.12 | 0.8984 | 51.8 | " .. | Too low in volatile fatty ac- ids. | " |

DESCRIPTION of 101 Samples of Butter

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher. |
|---------------------|-------------------|----------------|---|-----------|--------|---|
| | | | | Quantity. | Value. | |
| 1906 | | | <i>District of British Columbia—E. B. Parkinson, Inspector.</i> | | Cts. | |
| Nov. 13 | Butter | 32001 | The H. A. Edgett Co., Ltd., Hastings St., Vancouver, B.C. | 1½ lbs. | 55 | The H. A. Edgett Co., Ltd. Abbotsford, B.C. |
| " 13 | " | 32002 | J. J. Griffin & Co., wholesale, Water St., Vancouver, B.C. | 1½ " | 30 | Not known. |
| " 13 | " | 32003 | H. Albert, Carrall St., Vancouver, B.C. | 1½ " | 45 | The Provincial Government Creamery, Alberta. |
| " 13 | " | 32004 | F. Filion, Carrall St., Vancouver, B.C. | 1½ " | 45 | The Chilliwack Creamery, Chilliwack, B.C. |
| " 13 | " | 32005 | W. J. McMillan & Co., wholesale, Alexander St., Vancouver, B.C. | 1½ " | 30 | The Victoria Creamery Association, Victoria, B.C. |
| " 13 | " | 32006 | The City Grocery, Westminster Ave., Vancouver, B.C. | 1½ " | 30 | J. Y. Griffin & Co., Vancouver, B.C. |
| " 13 | " | 32007 | S. T. Wallace, Westminster Ave., Vancouver, B.C. | 1½ " | 30 | F. R. Stewart, Vancouver, B.C. |
| " 13 | " | 32008 | Ford, Saxton & Co., Drake St., Vancouver, B.C. | 1½ " | 40 | Vendors. |

Examined by the District Analysts—*Concluded.*

| Inspector's Report | RESULTS OF ANALYSIS BY DISTRICT ANALYST. | | | | | | READINGS OF BUTY- RO: REFRACTO- METER AT 25° C. 1 A. MCGILL. | | DISTRICT ANALYSTS. | |
|--|--|-------|-------|-------|------------------------|---|---|----------|--------------------|-----------------------|
| | Moisture. | Fat. | Salt. | Curd. | Reichert Meisel No. | Specific gra- vity of fat at 100° compar- ed with water at 100° C. | Reading. | Opinion | Remarks. | Name. |
| | p.c. | p.c. | p.c. | p.c. | | p.c. | " | | | |
| 'Edgewood brand.' This butter is manufactured by the firm at their own dairy at Ab- botsford, B.C. | 8.35 | 88.75 | 1.17 | 1.73 | 26.6 | 0.8677 | 52.0 | Genuine. | Genuine. | Dr. C. J. Fa- gan. |
| This butter is pur- chased by ven- dors in Alberta and Manitoba and shipped to Vancouver by the car load and there repacked into 1 lb. blocks by vendors. | 8.50 | 88.00 | 0.53 | 2.97 | 25.7 | 0.8684 | 51.0 | " | " | " |
| This butter is bought in tubs and boxes and is re-packed into 1 lb. block by vendor. | 4.70 | 92.80 | 0.75 | 1.75 | 32.0 | 0.8709 | 51.0 | " | " | " |
| Tub butter. | 7.30 | 89.50 | 1.70 | 1.50 | 26.10 | 0.8698 | 52.2 | " | " | " |
| Pac up in 1 lb. blocks. The Vic- toria Creamery Association, Vic- toria, B. C., on wrapper. | 11.10 | 85.80 | 1.60 | 1.50 | 22.00 | 0.8691 | 51.5 | " | " | " |
| No brand; sold as cooking butter; tub. | 8.60 | 85.50 | 1.58 | 1.32 | 20.9 | 0.8653 | 51.6 | " | " | " |
| Tub butter; no brand; sold as cooking butter. | 5.97 | 88.95 | 3.04 | 2.06 | 26.8 | 0.8653 | 52.0 | " | " | " |
| Purchased at the dairy. | 12.10 | 84.40 | 1.93 | 1.57 | 24.6 | 0.8653 | 52.1 | " | " | " |